



# When you need **to be sure**

Pinpointing Fugitive Emissions

---

# Guest speaker

## Ron McMahan

Technical Engineering Director

SGS North America

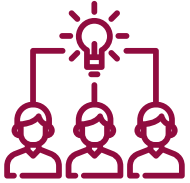
[ronald.mcmahan@sgs.com](mailto:ronald.mcmahan@sgs.com)

*Over 40 years of technical expertise in proper sensor application and transmission of data to control and visual data systems. From line of sight to the simplicity of IoT.*

*Mix it all with analytical sampling knowledge and you get what is needed for an application.*



# The right sensor, the right analytics and the right visual to meet goal



## Sensors

Sensor selection for a given analyte is critical and often not applied correctly.

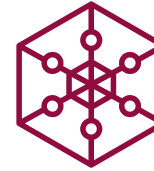
- Lower Detection Level
- Specificity
- Atmospheric Conditions
- more



## Analytics

Assumption the timing of data delivery is met analytics can be run in order to achieve goal.

- Quality Data Verification
- Algorithms
- Outcomes

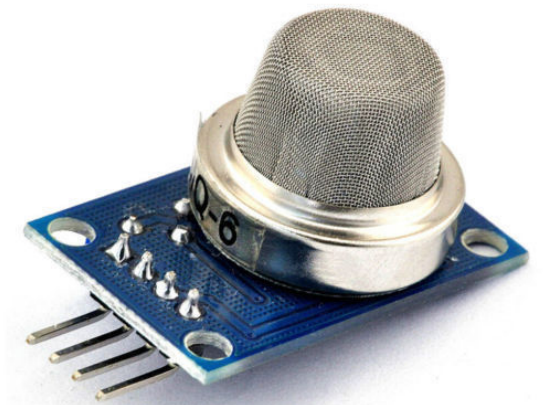


## Visual

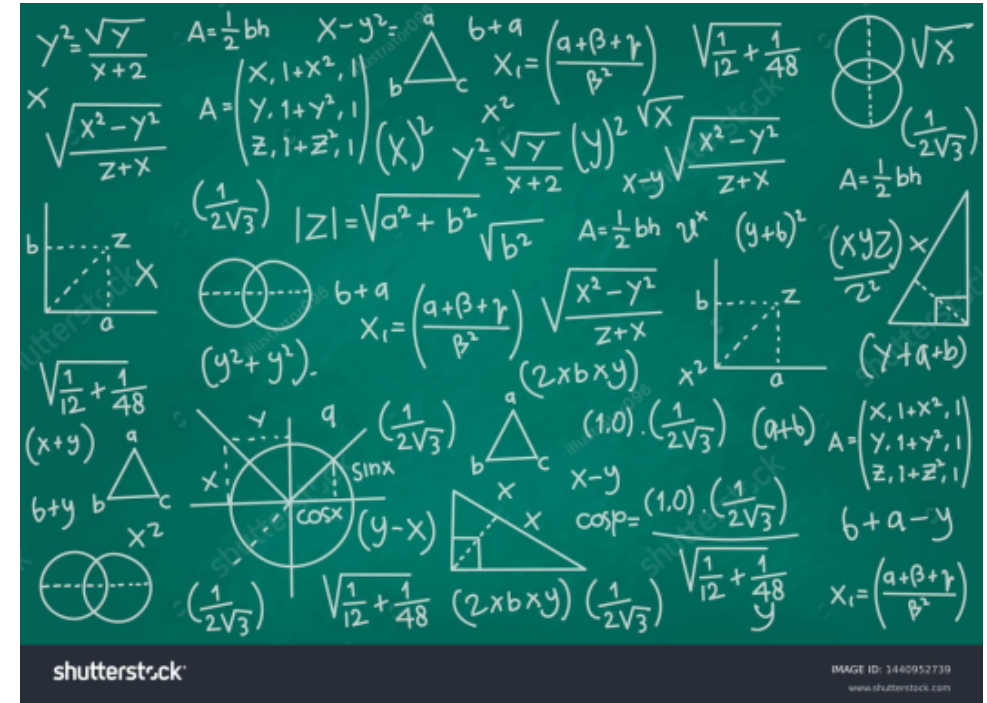
The right vision that provides instant resolution of the Goal.

- Simplicity
- Instantaneous
- Solution Resolution

# Sensors

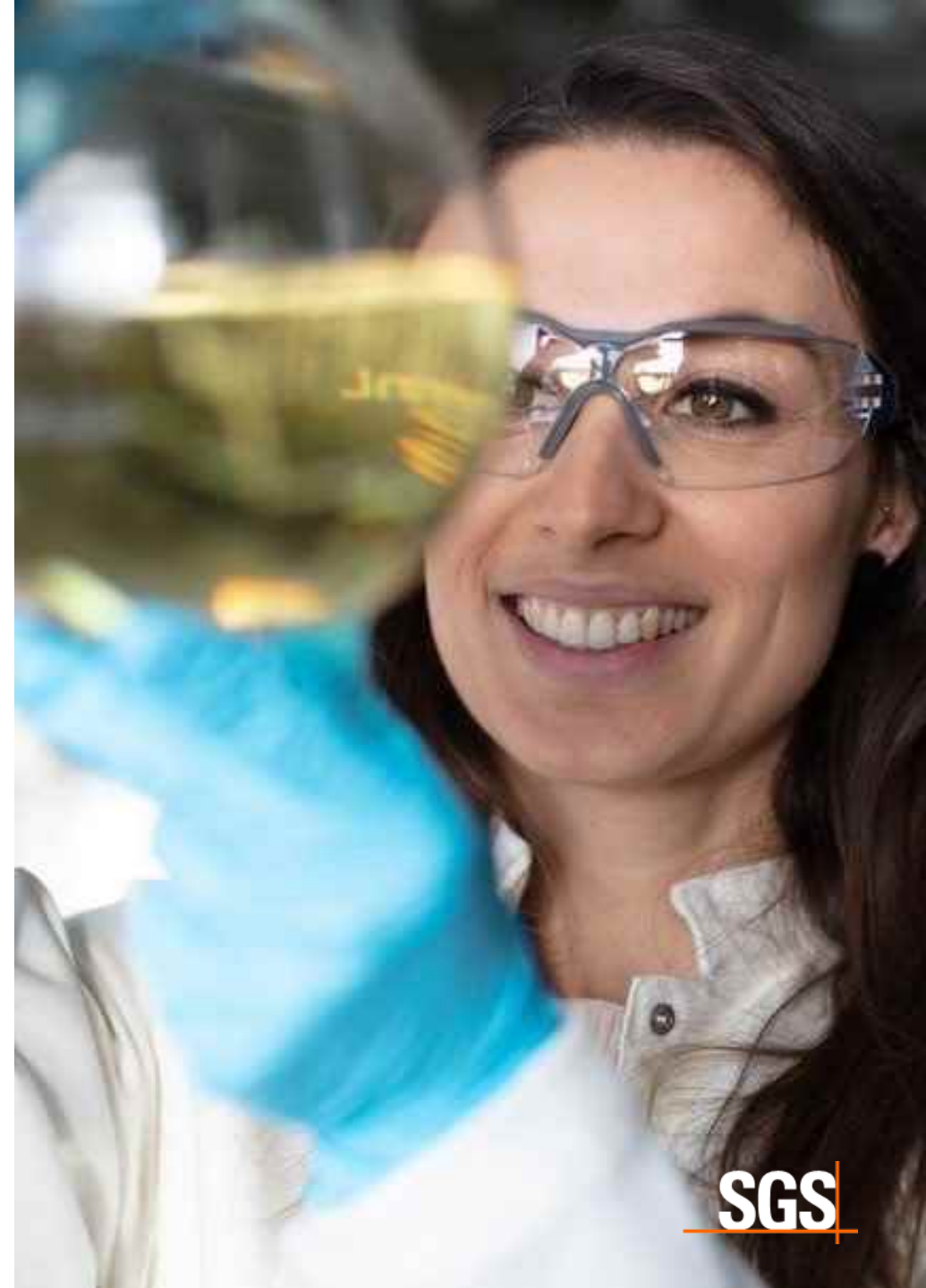


# Analytics

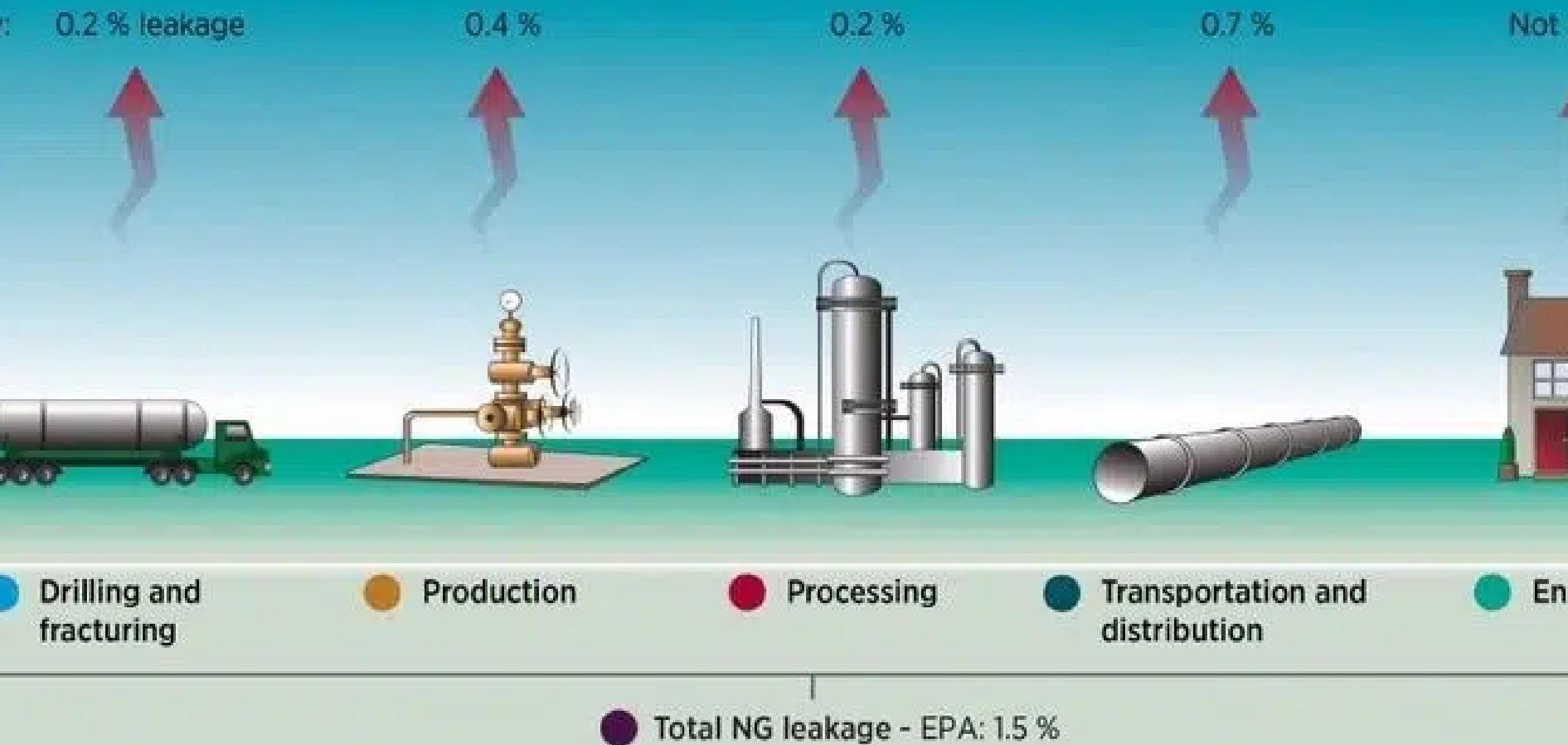


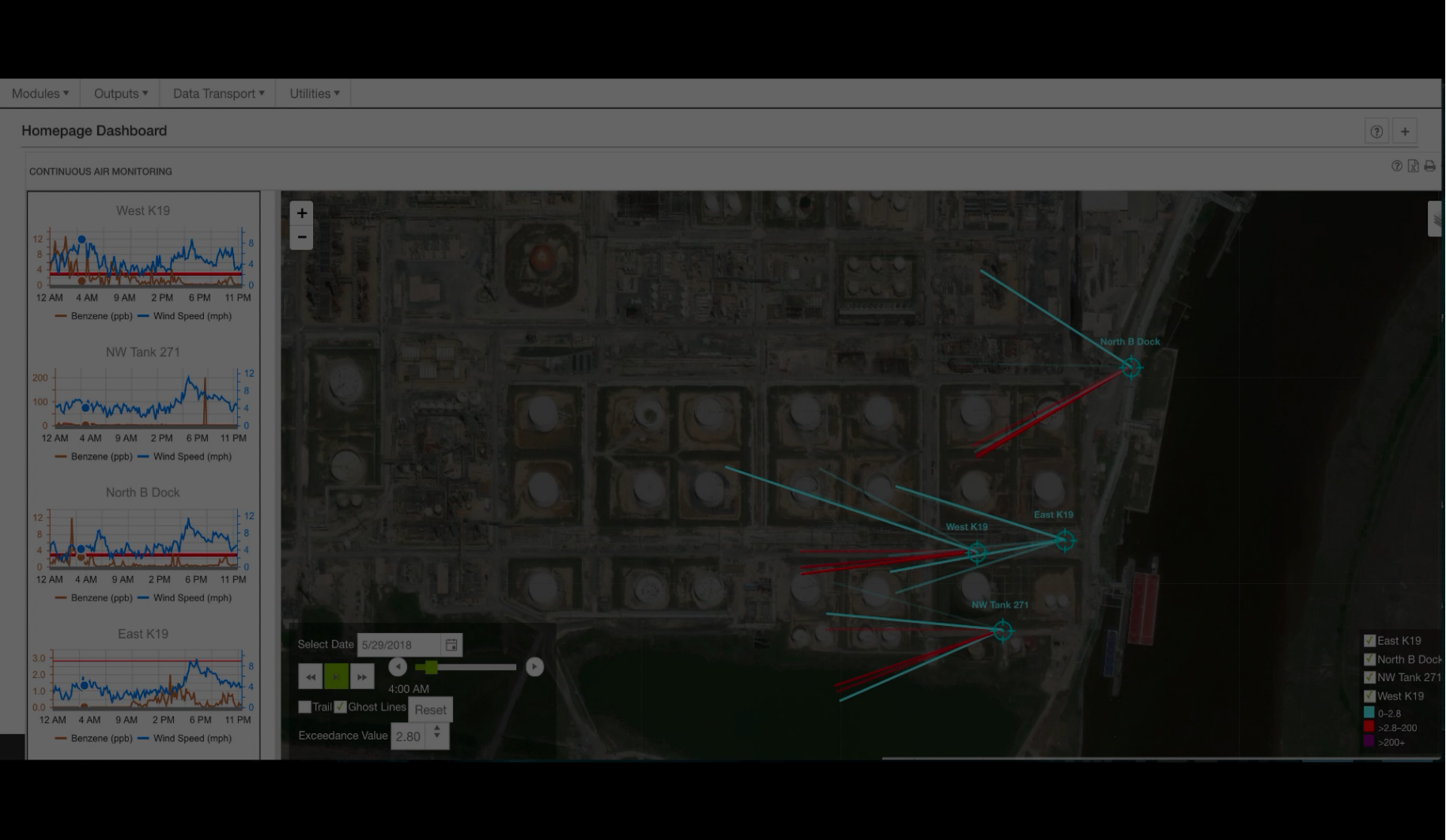
*Determination of Fugitive  
Emissions' Source.*

*Methane*



# Methane Leakage Rates from the Natural Gas System





**When you need to be sure**